

SAMPLE ANNUAL COSTS TO PRODUCE ALFALFA IN INYO & MONO COUNTIES

12/79

Prepared by P. Dean Smith, Inyo & Mono Counties Farm Advisor

University of California Cooperative Extension

207 West South St., Bishop, CA 93514

AF-SI-79-6

Description of Farm: 320 acres; sprinkler irrigation, 12 wheel rolls; water source, well; product, 6 tons/acre.

<u>Operating Cost</u>	<u>Per Acre</u>	
- Preharvest		
Pest Control		
Weed	\$ 2.00	
Insect	6.00	
Irrigation		
Power - \$20/acre foot X 5 acre feet	100.00	
Maintenance & repairs	20.00	
Irrigation Labor - 6 hours X \$3	<u>18.00</u>	
Total Preharvest Costs		\$ 146.00
- Harvest (based upon custom rates)		
Swath - \$4/ton X 6 tons	\$ 24.00	
Turn Windrows - \$1.50/ac X 4 times	6.00	
Bale - \$10/ton X 6 tons	60.00	
Roadside - \$3.50/ton X 6 tons	<u>21.00</u>	
Total Harvest Costs		\$ 111.00
- Interest on Operating Capital		6.00
- Real Property Taxes		10.00
- Office & Bookkeeping (2 1/2% of Harvest + Preharvest Costs)		4.52
Total Operating Costs		<u>\$ 277.52</u>
Operating Cost Per Ton = \$46.25		

	<u>Per Acre Costs</u>			
	<u>New Cost</u>	<u>Years Life</u>	<u>Interest (8 1/2% X 1/2 Cost)</u>	<u>Depre- ciation</u>
Ownership Costs				
Swather, 14 ft.	\$ 21,000	6	\$ 2.79	\$ 10.93
SD Rake (double)	3,000	10	.40	.94
Baler - 3 wire	12,000	10	1.59	3.75
Bale Loader & Stacker	21,000	12	2.79	5.46
Tractor, 40 to 60 HP	15,000	10	1.99	4.69
PU Truck, 1/2 ton	7,500	15	1.00	1.56
Sprayer	5,000	15	.66	1.04
Irrigation System:				
12 side rolls	48,000	10	6.38	15.00
Mainline	48,000	50	6.38	3.00
Pump - 200 HP	18,000	25	2.39	2.25
Well	20,000	-	2.65	-
Land - 320 X \$500/ac	160,000	-	21.25	-
Stand - 320 X \$100	32,000	5	4.25	20.00
Buildings:				
Farm Shop	20,000	35	2.65	1.78
Storage Building	7,000	35	.93	.62
Hay Storage (1000 T)	20,000	25	2.65	2.50
	<u>\$ 457,500</u>		<u>\$ 60.75</u>	<u>\$ 73.52</u>
Total Ownership Costs/Acre				\$ 134.27
Ownership Cost Per Ton = \$22.38				
Total Operating & Ownership Cost/Acre				\$ 411.79
Management Cost - 5% of Gross Income				25.00
Total Cost/Acre				<u>\$ 436.79</u>
Total Cost/Ton				\$ 72.80